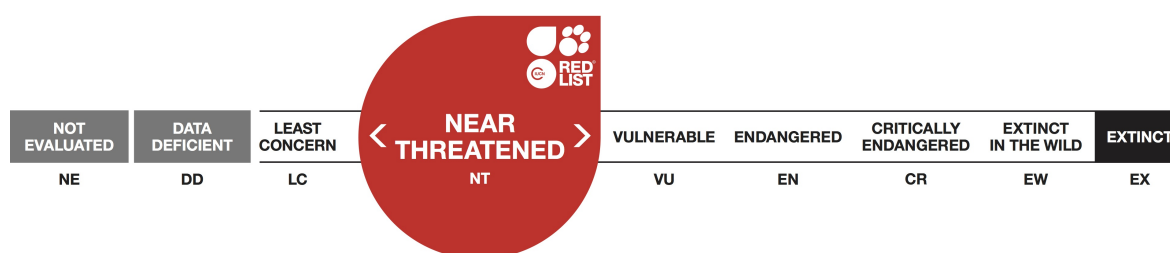


Pittosporum oubatchense

Assessment by: Gemmill, C., Veillon, J.-M., Amice, R., Cazé, H., Dumontet, V., Fleurot, D., Garnier, D., Gâteblé, G. & Maggia, L.



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Taxonomy

Kingdom	Phylum	Class	Order	Family
Plantae	Tracheophyta	Magnoliopsida	Rosales	Pittosporaceae

Taxon Name: *Pittosporum oubatchense* Schltr.

Taxonomic Source(s):

Tirel, Ch. and Veillon, J.-M. 2002. *Flore de la Nouvelle-Calédonie, tome 24. Pittosporaceae*. Museum d'Histoire Naturelle, Paris.

Assessment Information

Red List Category & Criteria: Near Threatened [ver 3.1](#)

Year Published: 2017

Date Assessed: July 23, 2015

Justification:

Endemic small tree of New Caledonia; the distribution area of *Pittosporum oubatchense* is discontinuous and found from Ignambi to Dzumac on Grande Terre. This species is restricted to high-altitude dense humid forest on ultramafic substrate and on micaschist, and is found on an altitudinal range 650-1,500 m asl. Its area of occupancy and its extent of occurrence are equal to 72 km² and 7,166 km² respectively with a total of 16 localities. A continuous decline is projected on the basis of degradation of habitat linked to the threats of fire, invasive species and mining activities. Using criterion B, *P. oubatchense* qualifies for listing as Near Threatened (NT) as it is close to qualifying for listing under as threatened (VU) B1ab(iii)+2ab(iii).

Geographic Range

Range Description:

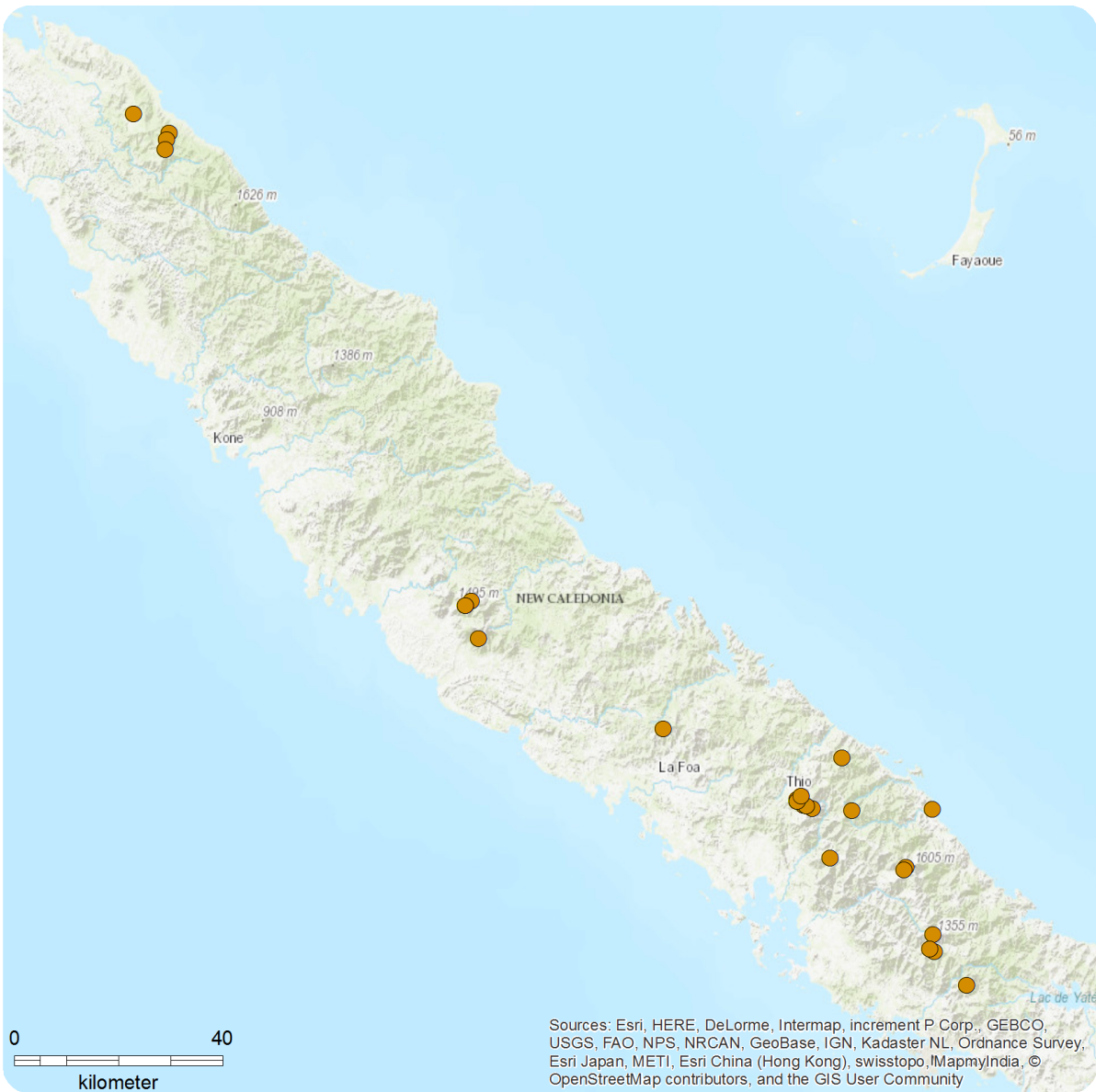
Endemic small tree of New Caledonia, distribution area of *Pittosporum oubatchense* is discontinuous and found from Ignambi to Dzumac on Grande Terre.

Country Occurrence:

Native: New Caledonia

Distribution Map

Pittosporum oubatchense



Range

- Extant (resident)

Compiled by:

IUCN SSC New Caledonia Plants RLA



Population

Population size is not precisely known. The Ningua subpopulation is one of the largest subpopulations.

Current Population Trend: Unknown

Habitat and Ecology (see Appendix for additional information)

This species is restricted to high-altitude dense humid forest on ultramafic substrate and on micaschist, and is found at an altitudinal range 650-1,500 m asl.

Systems: Terrestrial

Threats (see Appendix for additional information)

Pittosporum oubatchense is subject to different types of threats depending of localities. The Ignambi subpopulation could be affected by frequent fires recorded on this massif while the subpopulation on Aoupinié is threatened by competition with invasive plants. There are also threats linked to habitat degradation on Ningua due to mining activities, and on Diahoué due to invasive animal species such as Rusa Deer (*Rusa timorensis*) and pigs.

Conservation Actions (see Appendix for additional information)

Pittosporum oubatchense is not protected by any legislation, but is known from a large number of protected areas, namely: la réserve naturelle du Mont Humboldt, la réserve de nature sauvage du massif de l'Aoupinié, la réserve naturelle du Pic Ningua, la réserve naturelle de la Nodéla, la réserve naturelle de la forêt de Saille and la réserve intégrale de la Montagne des Sources. Genetic and morphological analysis that includes all subpopulations is required to improve our knowledge on this species, as experts on *Pittosporum* suspect that this species as currently circumscribed consists of two species, with a new species from Tchingou. Field surveys are required and should focus on Tchingou and Ignambi where *P. oubatchense* could potentially occur.

Credits

Assessor(s): Gemmill, C., Veillon, J.-M., Amice, R., Cazé, H., Dumontet, V., Fleurot, D., Garnier, D., Gâteblé, G. & Maggia, L.

Reviewer(s): Tanguy, V.

Facilitators(s) and Compiler(s): Chanfreau, S.

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Tirel, Ch. and Veillon, J.-M. 2002. *Flore de la Nouvelle-Calédonie, tome 24. Pittosporaceae*. Museum d'Histoire Naturelle, Paris.

Citation

Gemmill, C., Veillon, J.-M., Amice, R., Cazé, H., Dumontet, V., Fleurot, D., Garnier, D., Gâteblé, G. & Maggia, L. 2017. *Pittosporum oubatchense*. *The IUCN Red List of Threatened Species 2017*: e.T82948216A82951872. <http://dx.doi.org/10.2305/IUCN.UK.2017-3.RLTS.T82948216A82951872.en>

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External Resources

For [Images and External Links to Additional Information](#), please see the Red List website.

Appendix

Habitats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Habitat	Season	Suitability	Major Importance?
1. Forest -> 1.9. Forest - Subtropical/Tropical Moist Montane	-	Suitable	-

Threats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Threat	Timing	Scope	Severity	Impact Score
3. Energy production & mining -> 3.2. Mining & quarrying	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation		
7. Natural system modifications -> 7.1. Fire & fire suppression -> 7.1.1. Increase in fire frequency/intensity	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality		
8. Invasive and other problematic species, genes & diseases -> 8.1. Invasive non-native/alien species/diseases -> 8.1.1. Unspecified species	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.3. Indirect species effects -> 2.3.2. Competition		
8. Invasive and other problematic species, genes & diseases -> 8.1. Invasive non-native/alien species/diseases -> 8.1.2. Named species (Sus domesticus)	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.2. Species disturbance 2. Species Stresses -> 2.3. Indirect species effects -> 2.3.7. Reduced reproductive success		
8. Invasive and other problematic species, genes & diseases -> 8.1. Invasive non-native/alien species/diseases -> 8.1.2. Named species (Rusa timorensis)	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality 2. Species Stresses -> 2.2. Species disturbance 2. Species Stresses -> 2.3. Indirect species effects -> 2.3.7. Reduced reproductive success		

Conservation Actions in Place

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Conservation Actions in Place
In-Place Land/Water Protection and Management
Occur in at least one PA: Yes
Invasive species control or prevention: No
In-Place Species Management
Successfully reintroduced or introduced benignly: No
Subject to ex-situ conservation: No

Research Needed

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Research Needed
1. Research -> 1.1. Taxonomy
1. Research -> 1.2. Population size, distribution & trends

Additional Data Fields

Distribution
Estimated area of occupancy (AOO) (km ²): 72
Continuing decline in area of occupancy (AOO): No
Extreme fluctuations in area of occupancy (AOO): No
Estimated extent of occurrence (EOO) (km ²): 7166
Continuing decline in extent of occurrence (EOO): No
Extreme fluctuations in extent of occurrence (EOO): No
Number of Locations: 13
Continuing decline in number of locations: No
Extreme fluctuations in the number of locations: No
Lower elevation limit (m): 650
Upper elevation limit (m): 1500
Population
Continuing decline of mature individuals: No
Extreme fluctuations: No
Population severely fragmented: No
Extreme fluctuations in subpopulations: No

Habitats and Ecology
Continuing decline in area, extent and/or quality of habitat: Yes
Generation Length (years): 0

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